

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) Genetically modified bacteria **characterized** by the fact that it can have flocculation genes regulated by promoters which are started, depending on characteristics of chemical composition of the medium, pH or by physical excitations.

2. (Original) Genetically modified yeast **characterized** by the fact that it can have one or more of the flocculation genes, FLO2, FLO3, FLO4, FLO5, FLO6, FLO7, FLO8, FLO9, FLO11 or Lg-FLO1, regulated by promoters which are started, depending on characteristics of chemical composition of the medium, pH or by physical excitations.

3. (Original) Genetically modified yeast **characterized** by the fact that it can have the flocculation gene FLO10 regulated by promoters which are started, depending on characteristics of chemical composition of the medium, pH or by physical excitations.

Claims 4 - 23 (Cancelled)

24. (Currently Amended) Genetically modified microorganism of claim 1 ~~claims 1 to 23~~, **characterized** by the fact that it can have flocculation genes regulated by promoters which are started depending on the presence or lack of nutrients such as sugars and nitrogen in the medium.

Claims 25 - 27 (Cancelled)

28. (Currently Amended) Genetically modified microorganism of claim 1 ~~claims 1 to 24~~, **characterized** by the fact that it can have flocculation genes regulated by promoters which are started depending on the presence or lack of ethanol in the medium.

Claims 29 - 31 (Cancelled)

32. (Currently Amended) Genetically modified microorganism of claim 1 ~~claims 1 to 23~~, **characterized** by the fact that it can have flocculation genes regulated by promoters which are started depending on the occurrence of thermal shock in the medium or pH fall.

Claims 33 - 35 (Cancelled)

36. (Currently Amended) Genetically modified microorganism of claim 2 ~~claims 4, 6, 12, 13, 16, 17, 18, 19, 20, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, and 35~~, **characterized** by the fact that it can have flocculation genes regulated by one of the following promoters or part of them: ADH, Mox, HSP30p, pMET3 or heterologous promoter, which are started, depending on characteristics of chemical composition of the medium, pH or by physical excitations.

Claims 37 - 59 (Cancelled)

60. (Original) Genetically modified microorganism of claim 1, preferably comprised by yeasts from lines *Pichia pastoris*, *Hansenula polymorpha*, *Saccharomyces fragilis*, *Saccharomyces ellipsoideus*, *Saccharomyces calbergensis*, *Candida utilis*, *Candida lipolytica* or *Kluyveromyces lactis*, **characterized** by the fact that it can have flocculation genes, FLO2, FLO3, FLO4, FLO5, FLO6, FLO7, FLO8, FLO9, FLO11 or Lg-FLO1, regulated by promoters which are started, depending on characteristics of chemical composition of the medium, pH or by physical excitations.

Claims 61 - 187 (Cancelled)